

SEQUENCE LISTING

<110> Ranum, Laura P.W.  
Koob, Michael

<120> SPINOCEREBELLAR ATAXIA TYPE 8 AND METHODS OF DETECTION

<130> 11000900101

<140> NOT ASSIGNED  
<141> 1998-10-28

<160> 18

<170> PatentIn Ver. 2.0

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D  
I  
B  
A  
S  
G  
E  
D  
O  
D  
G  
S  
<210> 1  
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<212> DNA  
<213> Homo sapiens

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atatagtact tcttaaatgt caacacattt atcttaaatc atttatcgaa gtatgagaag 180  
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tttattttcc ttatataaaag taccttcttgc cttcaactgac atttctatac aactattctt 1140  
gtaagcaagg aatgaattc 1159

<210> 2  
<211> 1471  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: cDNA  
comprising exons D, C, B, and A

<400> 2

atccttcacc tgttgcctgg ctagagttgt ctggctccac tttgagctct tgcagaacca 60  
gcccttttc gtgtggtcca ggaaagtcca tgcctggcac cacctcctcc tctagtgact 120  
ccacgtagaa gagagtccctg gctggctgct gagtgcctg cccaggagcc ccttgctgca 180  
gcctcggtgc aacttggaaagc agggtgccat tcagcggatt gaaggaagag gaggaagagg 240  
acgggggagga cgatgaagag gaagaggagg aaggcttctt ccagaaaatgt ctcacaccgc 300  
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tgccgtcctg ttgcaggcgag cctccccccg ccgggcccgc ggtggaagga gacgggtggc 420  
tgaagagttt ccagcggagt cgcagaatgt gcttcacatc gaagtctttt cgccccagagc 480  
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agaatttat gaataaagaa ttgatttttc a 1471

<210> 3

<211> 1037

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: cDNA  
comprising exons E, C, and A

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agaggtggtt ttatatagtc agtttgtaaa agaaaaaat agatattcta gcgcataatag 180  
ggaggcaaaa gaaaaagccc gcctgtgaag ctgtcaaggt cctcacagta caatttctc 240  
tctgcctcag cgcctcctcc tcccccttct ggaggctggg aagttcaaga ccaatgcacg 300  
agaatttggt ctaaagagaa tcttcttgcctt ctgaacacac atagtagaag gcagaaggc 360  
aagagagaga acaaagtctg tgtctccaca tggcagaaga gcagaggaga cagaacctac 420

tcctctatgg caaccacccc atcaatgaca aaaatcctag aaggatgtat gtataggaaag 480  
ttgaagtgtt gagaagagaa tggctcagag tcaagcggga acaagattgc cttttctgac 540  
tcccgagttc cacggagaga ttaactctgt tggctgaagc cctatcccaa ttcccttggt 600  
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actactacta ctgctactgc tgctgctgct gctgctgctg ctgctgctgc tgctgctgct 720  
gctgctgctg ctgctgctgc tgctgctgct gctgctgctg ctgctgctgc tgctgctgct 780  
gctgctgctg ctgctgctgc tgctgctgct gctgctgctg ctgctgctgc tgctgctgct 840  
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gctgctgctg ctgcattttt taaaaatata ttatcttatt ttactattt atgttataat 960  
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aaagaattga tttttca 1037

<210> 4  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 4  
tcaattcttt attcataaaat tcttaaq

27

<210> 5  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 5  
tttqaqaaaq qcttqtqaqq actqaqaaatq

30

<210> 6  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 6  
cctcatgtta gaaaactggc ttt

23

<210> 7  
<211> 23  
<212> DNA

841 42

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 7

acccagccag agtcgcctgc tca

23

<210> 8

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 8

gtaagagata agcagtatga ggaagtatg

29

<210> 9

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 9

ggtccttcat gttagaaaac ctggct

26

<210> 10

<211> 682

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: cDNA from BKRP  
transcript

<400> 10

agtggacaca gatggcttcc ttgaatattg ggagagcagg tgcctgtgtg gtagtcatca 60  
agcaacctg acttattgtat attttacttg gaaagatttt acttgctgga gtggttattt 120  
ttatattgaa tggcaagaat gagaacttcc agagatgaaa actcttcaag aacaaggatc 180  
tctgtacgt tacctactga tggtgaaaga gtttagtagat caaacagaat agtaggaaac 240  
aagaaaacat taaacctata caggaaaaat gtctggccat atgttagtta gttcggaaat 300  
ggttatttgtt aatttgtttt gtattatagc atacaataac tagagttacc aaaggcttgt 360  
ttttcttga gcagttgaaa ggagagacca atattgtga catggatagt ttcatgacca 420  
caactcattc aatcatttta tagtctatgg caatatccaa gagattgcca agagtagaaag 480

442  
43

acagaatatt tcatctgaca gatatctgatt ggtttactgt ttttctaatac atatgtggtc 540  
ataacggaa gcagaattat gcttattca aacaaacctg cttctgcctc atttcctaa 600  
gctatgagaa caatttagaga aacagattca tgcttgatc ttgcattcag aaaacaaact 660  
gtcctactaa tcaaagctgc at 682

<210> 11  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 11  
cttcatcgta ctccccgtcc tctt

24

<210> 12  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 12  
gcccttatccc aattccttgg ctaga

25

<210> 13  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 13  
gtctagccaa ggaattggga tagggcttc

29

<210> 14  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 14  
gactccgctg gaaactcttc agccca

25

643 44

<210> 15  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 15  
tccatcttc tgaaggtttg ctcagca 27

<210> 16  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 16  
ttgaatggcc gggttgcgtac ag 22

<210> 17  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 17  
ctgctgagtg ccctgcccag gag 23

<210> 18  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 18  
gttagtagtag tagtaaagcc aggtt 25

44 45